ABSTRACT

Respective components of a leukocyte particle size
pattern that includes a plurality of cellular component
fractions are separated by performing a mixture density
approximation using an EM algorithm, and characteristic
parameters of each fraction are clustered. A similarity
search with attention paid to a distribution pattern of a
cell group of interest is thereby executed. An algorithm
capable of doing a highly accurate similarity search from
general viewpoints such as a search for the respective
cellular components of a leukocyte or a combination of the
respective components is developed. In addition,
information useful for a diagnosis is provided.